

Bionomics of *Culex quinquefasciatus*

PIERC Project Leader: Dennis A. LaPointe, Ph.D.



The Southern House Mosquito, *Culex quinquefasciatus*

Objectives:

- ★ Survey native bird habitat for larval mosquitoes and critical associations
- ★ Characterize larval mosquito habitat
- ★ Assess dispersal ability of *Culex quinquefasciatus* in the forest

Accomplishments:

- ★ Surveyed and characterized larval mosquito habitats on three main Hawaiian Islands
- ★ Determined the distance *Culex quinquefasciatus* dispersed in Hawaiian forested habitat

Significance:

- ★ Surveys assessed the disease risk to birds and identified the role of feral pigs in the creation of larval habitat
- ★ Larval habitat data and dispersal estimates are critical to effective disease management planning